



November 7, 2012



is saving energy important to you?



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98% of Virginians say it is*

***From State Corporation Commission's 2012 Virginia Energy Sense Survey**



are you interested in learning
more about how to save energy?



are you interested in learning
more about how to save energy?

91% of Virginians are



do you pay attention to your bill?



do you pay attention to your bill?

73% of Virginians do



are energy efficient homes more
valuable?



are energy efficient homes more
valuable?

89% of Virginians think so



Energy Efficiency Upside

- Save energy, save resources, save \$ on building power plants
- Improve building durability
- Make homes more affordable, improve businesses' bottom line
- Improve comfort, quality of life, worker productivity
- Better indoor air quality (health and safety)
- Create or maintain jobs
- Local economic development
- Increased energy security



Energy Efficiency Barriers

- Need to increase the public's energy literacy
- “Split incentive” issue: owner pays for improvements but tenant pays the utility bills
- Building owners don't know who to trust or what to do
- Financing is hard to come by
- EE value hasn't translated to the appraisal/financing market
- EE isn't truly valued as a resource - programs are judged based on short-term rate impacts, instead of long-term



VAEEC Mission:

To support policy, programs, and technologies which grow the energy efficiency industry.



Purpose

- Engage stakeholders to identify barriers and opportunities to energy efficiency as a resource in Virginia
- Develop a strong, fact-based and balanced industry voice before local, state and national policymakers and regulators
- Inform our members of events, legislation and regulation at the local, state and national level that affects their businesses
- Provide outreach, and business services for our state's energy efficiency industry



Strong Industry Voice: VAEEC Governance Board

- Dominion Virginia Power
- Old Dominion Electric Cooperative
- Northern Virginia Regional Commission
- University of Virginia
- Trane
- Opower
- Local Energy Alliance Program
- Richmond Regional Energy Alliance
- D&R International



VAEEC Efforts to Date

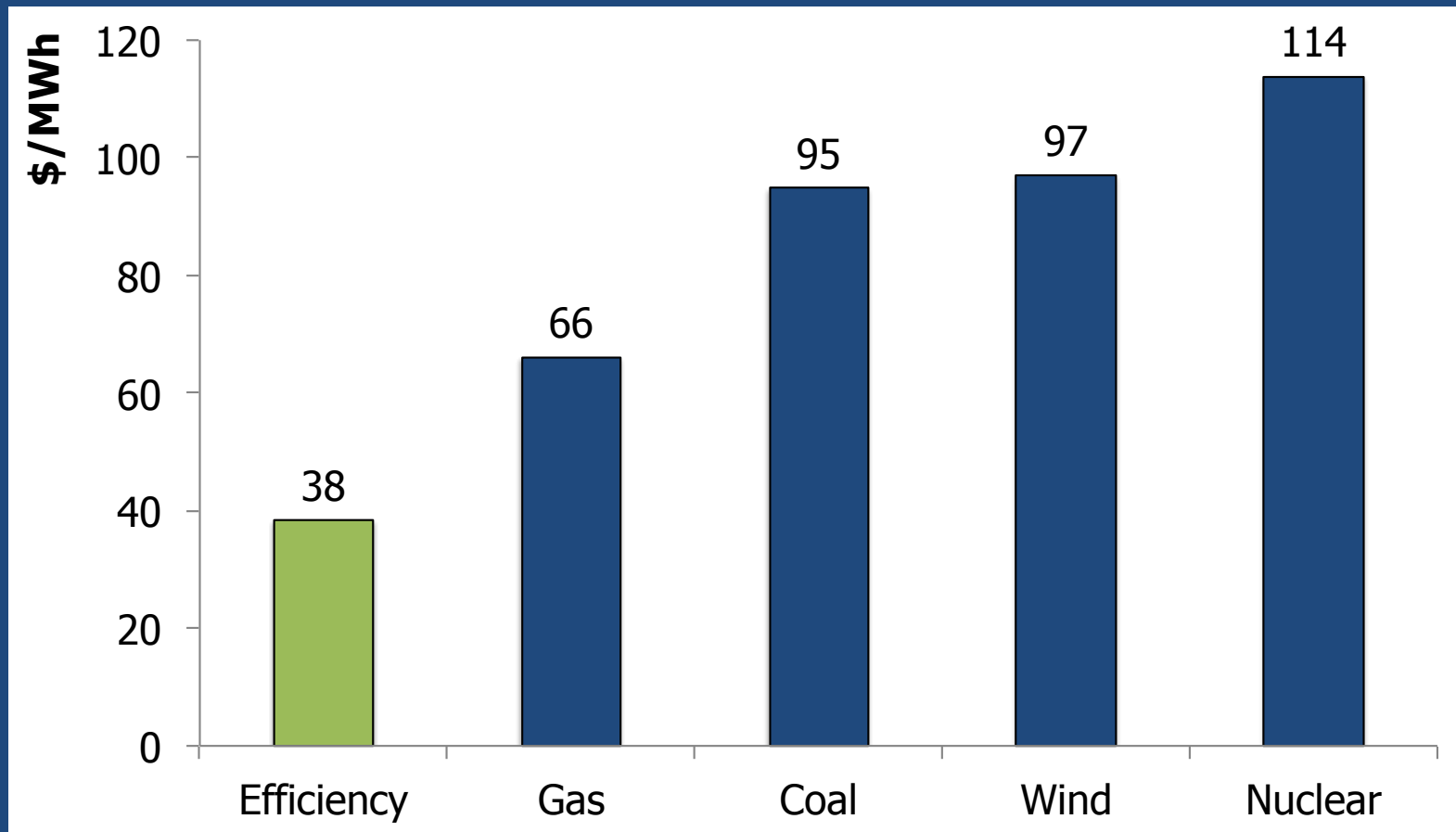
- 2011 – 2012 Participated in discussions on utility cost test issues as they pertain to regulation of energy efficiency programs
- 2012 Helped facilitate pre-conference session on energy efficiency at Governor's Energy Conference
- 2013 Energy Foundation grant to fund baseline study of Virginia's energy efficiency industry: revenue, companies, jobs, etc.
- 2013 Intend to work with State Chamber on Blueprint Virginia – Energy Committee
- 2013 Regional meetings with local government and legislators



electric utility capacity short 7000+ MW
10% state goal for energy efficiency by 2022



Relative cost of energy resources*



* Source: U.S. EIA, Annual Energy Outlook and Form EIA-861

Energy Efficiency is Lowest Cost Energy Resource

Energy Efficiency at Scale



- 1.5M retrofit ready homes
- 2% market penetration equals 30,000 upgrades annually
- \$90M in private capital (\$3000 average job cost)
- 2500+ new jobs

how do we get there?





Get a Home Energy
Check-Up and we'll
serve up the savings



Dominion®

Save money with
energy efficiency
programs available
for your business





Home Performance with ENERGY STAR® Summary of Energy Improvements Performed



Home Address:

John Q. Public
100 Main Street
Charlottesville, VA 22901

Work Performed by:
A PLUS Insulation Company

Work Verified by:
The Best Energy Auditor

Work Completed on:
January 31 2011

A handwritten signature in black ink, appearing to read "Cynthia Anderson".

Executive Director

Home Performance Improvements:

*Accessed all kneewall areas & foamed 6" open cell foam and installed passive grates

*Main attic-foamed entire roof deck with 6" open cell foam

*Insulated basement floor to an R30 with fiberglass batts

*Installed humidistat in attic to monitor moisture

*Insulated all hot piping runs off DHW tank

*Insulated rim joist with open 3" open cell foam

Home Performance Results Achieved:

All attic areas were addressed and reconfigured spaces brought duct work into conditioned areas. Entire floor area was insulated. Stratification issues improved.

Environmental Impact of Improvements:

Fuel usage and emissions reduced by treating entire attic and floor areas.



HOME PERFORMANCE WITH
ENERGY STAR

Home Performance with ENERGY STAR® offers a comprehensive, whole-house approach to home improvement that results in better energy efficiency, greater comfort, and lower energy bills.

ENERGY STAR is a voluntary partnership sponsored by the U.S. EPA and U.S. DOE to protect the environment through superior energy efficiency.





“Power Plant” of the Present

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contact us for information

